

Three-Phase RopeCT®

AC Current Sensor RCS-1800

Three 18 inch Rogowski Coils With Integrator

Description:

The RCS Series integrator (signal conditioner) converts the RopeCT (Rogowski Coil) input voltage to 0.333 volt AC output. The integrator requires a DC power supply which operates from 9 to 36 Vdc. The integrator is available with screw terminals (pictured) or with flexible strain relief cables attached to the integrator.

Features:

- Input: 250 Amp to 5,000 Amp (or custom amperage)
- Output 0.333 V at rated current (up to 5 V available)
- Accuracy $\pm 1\%$
- Phase angle < 0.5 degrees



Optional Power Supply shown

Integrator Specifications:

- 9-36 VDC Power supply required, available as option
- 4 ft. Insulated leads (from RopeCT® to integrator)
- 8 ft. Output leads twisted pair (600V) Three sets
- Maximum Voltage: 600 V (on bare conductor)

PART NUMBER AND RATING	
RCS-1800-0250	250 Amp
RCS-1800-0400	400 Amp
RCS-1800-0500	500 Amp
RCS-1800-0800	800 Amp
RCS-1800-1000	1000 Amp
RCS-1800-1500	1500 Amp
RCS-1800-2000	2000 Amp
RCS-1800-2500	2500 Amp
RCS-1800-3000	3000 Amp
RCS-1800-4000	4000 Amp
RCS-1800-5000	5000 Amp

DIMENSION	INCH	MM
A	3.940	100.08
B	3.375	85.73
C	1.125	28.58
D	2.500	63.50
E	0.187 dia.	4.75

